IP Enterprise version 4.3.0.48 Release Notes

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IP Enterprise version 4.3.0.48 Release Notes

Continuing with Video Insight's commitment to iterative development and continuous product improvements version 4.3.0.48 is ready for use.

A. New Camera Integrations

Camera Mfg.	Models		Supported Features	Notes
Samsung	SNB-7080 SNB-3000 SNB-7000 SPE-400, SND-5080 SNO-5080 SNP-3301 SNP-3370 SNP-5200 SNV-7080 SNZ-5200	SNB-2000 SNB-5000 SPE-100 SND-3080 SND-7080 SNP-3120 SNP-3430 SNV-3080 SNV-3120 SNV-5010 SNV-5080	H264, MPEG4, and JPEG Video capture Audio capture Motion Detection Resolution Configuration Compression Configuration FPS Configuration Flip DI Capture DO Trigger PTZ, Presets	Motion Detection (MD) is supported. However, user must enable MD on the camera, and set up the zones. Otherwise MD will not work.
Pelco Sarix	N/A		Added the ability to access the second JPEG or H264 stream.	
Samsung iPolis	SPE-100 SPE-400 SND-3080 SND-3080C SND-3080CF SND-3080F SND-5080 SND-7080F SNP-3120 SNP-3120V SNP-3120VH SNV-3080 SNV-3120 SNV-5010 SNV-5080 SNV-7080	SPE-1600R/400B SNB-2000 SNB-3000 SNB-5000 SNB-7000 SND-5080F SND-7080 SNO-5080R SNP-3301 SNP-3301H SNP-3370 SNP-3370TH SNP-3430H SNP-5200 SNP-5200H SNZ-5200	H264/MPEG4/JPEG Video capture Audio Capture Web Client JPEG support	
American Dynamics	VideoEdge IP Box	VideoEdge IP MiniDome	MPEG4 and JPEG Video Capture Audio Capture Motion Detection Show Clock Set Resolution Set Quality Set Codec Set FPS 1x Digital Input 1x Digital Output	

Camera Mfg.	Models		Supported Features	Notes
Pixord	P600 PD614 PL621	P606 PD636 PV6901	H264 and MJPEG Video Capture Audio Capture Motion Detection Show Clock Set Resolution Set Compression Set Codec Set FPS Digital In Digital Out	
DigiOp Black	BLK-IPD101 BLK-IPD103 BLK-IPD105M BLK-IPE4101 BLK-IPS102M	BLK-IPD102 BLK-IPD104 BLK-IPE101 BLK-IPS101 BLK-IPS103	H264, MPEG4, and MJPEG video capture Audio Capture Motion Detection Show Clock Set Resolution *(Not the M cameras) Set Quality Set Codec Set FPS Digital Input Digital Output PTZ	
DynaColor Updates	All of the DynaColor cameras Planet ICA-M126, and ICA-HM131 LevelOne FCS-3071	Sentry360 cameras: sentry360isip100 sentry360isip120 sentry360isip140 sentry360isip190 sentry360isip200 sentry360isip220 sentry360isdm100 sentry360isdm120 sentry360isdm160 sentry360isdm220 sentry360isdm260 sentry360fsip1k sentry360fsip2k	H264, MPEG4, and JPEG Video Capture Audio Motion Detection ShowClock Set Quality Flip Set FPS Digital Input Digital Output PTZ	DynaColor Auto-Discovery
OpenEye	openeyecm610 openeyecm710 openeyecm715	openeyecm730 openeyecm814 openeyevs201	H264 and JPEG Video Capture Audio Motion Detection ShowClock Set Quality Flip Set FPS Digital Input /Digital Output PTZ	

Camera Mfg.	Models		Supported Features	Notes
Sony Updates	SNC-CH120 SNC-CH140 SNC-CH110 SNC-DH120 SNC-DH140 SNC-DH110 SNC-CH160 SNC-CH180 SNC-DH160 SNC-DH280	SNC-DH180 SNC-CH220 SNC-CH240 SNC-CH210 SNC-DH220 SNC-DH240 SNC-DH210 SNC-CH260 SNC-CH280 SNC-DH260	Resolution Configuration Quality Configuration WebClient JPEG Support (With Motion Detection Enabled)	
HUNT Cameras	HLC-15AG (Fixed) HLC-84AV (Fixed) HWS-02AD (Encoder)	HLC-84AM (Fixed) HLT-87ZA (PTZ) HWS-01AD (Encoder) HWS_04AD (Encoder)	H264/MPEG4/JPEG video Audio Camera Side Motion Detection Resolution Configuration Compression Configuration Framerate Configuration Flip DI/DO PTZ and Presets	
NVC Protocol Change	Video Insight	vive1h vive12h vive40h viveh264	H264/MPEG4/JPEG Video Capture Audio Capture Motion Detection Date/Time Stamp Resolution Configuration Quality Configuration Codec Configuration FPS Configuration Digital Input Capture Digital Output Trigger PTZ, Focus, Iris, Preset Recall, Preset Add Auto Discovery WebClient JPEG	The protocol change affected the following: • **Port Change** The original protocol used port TCP port 80 (HTTP) for everything. However the new protocol uses several different ports: - Motion and Digital Import events use TCP port 2555 - Audio and Video use TCP port 554 - Configuration settings use TCP port 80 • **Audio Video Sync** In the original protocol Audio and Video were sent from the camera using the same HTTP connection. In this new protocol the Audio and Video are sent using
	UDP: NVC/IPE	udpipe100 udpipe110 udpipe1100 udpipe3500 udpipe3510 udpipe4100 udpipe4500 udpipe5500 udpipe6500 udpipe7500 udpnvc100 udpnvc1000 udpnvc4000		
	UDP IPE-M/HD	udpipe100m udpipe1100m udpipe3500m udpipe1200hd udpipe1202hd udpipe3600hd udpipe3602hd		

	Dante	dantedn1125 dantedn1126 dantedn1129 dantedn1325 dantedn1326 dantedn1329 dantedn1980 dantedn9130 dantedn9131		different connections, this may cause sync issues. • In case all else fails, the customer can select a new camera model called "Video Insight VE H-Series Legacy" which links to the old code.
	SC Black	scblkipe101 scblkipd101 scblkipd102 scblkips101 scblkips102m		
AVS	MPix 1339		MPEG4/MJPEG Video capture Resolution Configuration Quality configuration Framerate configuration Codec configuration Flip	Not Supported: Motion Detection Digitial Input Capture Digitial Output Trigger Date/Time Stamp
Axis	P8221		Audio Capture 8x Digital Input Capture 8x Digital Output Trigger	
3S Vision	All models		H264 and MJPEG Video Capture Audio Capture Show Clock Set Resolution Set Compression Set FPS Flip DI capture DO trigger	Not Supported: Camera Side Motion Detection PTZ
Prime Pro Mega	All models		H264 and MJPEG Video Capture Audio Capture Show Clock Set Resolution Set Compression Set FPS Flip DI capture DO trigger	Not Supported: Camera Side Motion Detection PTZ
Mobotix	MXQ24M		JPEG Video Capture	Not Supported:

		Motion Detection Resolution Configuration FPS Configuration Flip	Audio DIO Not Available PTZ Not Available

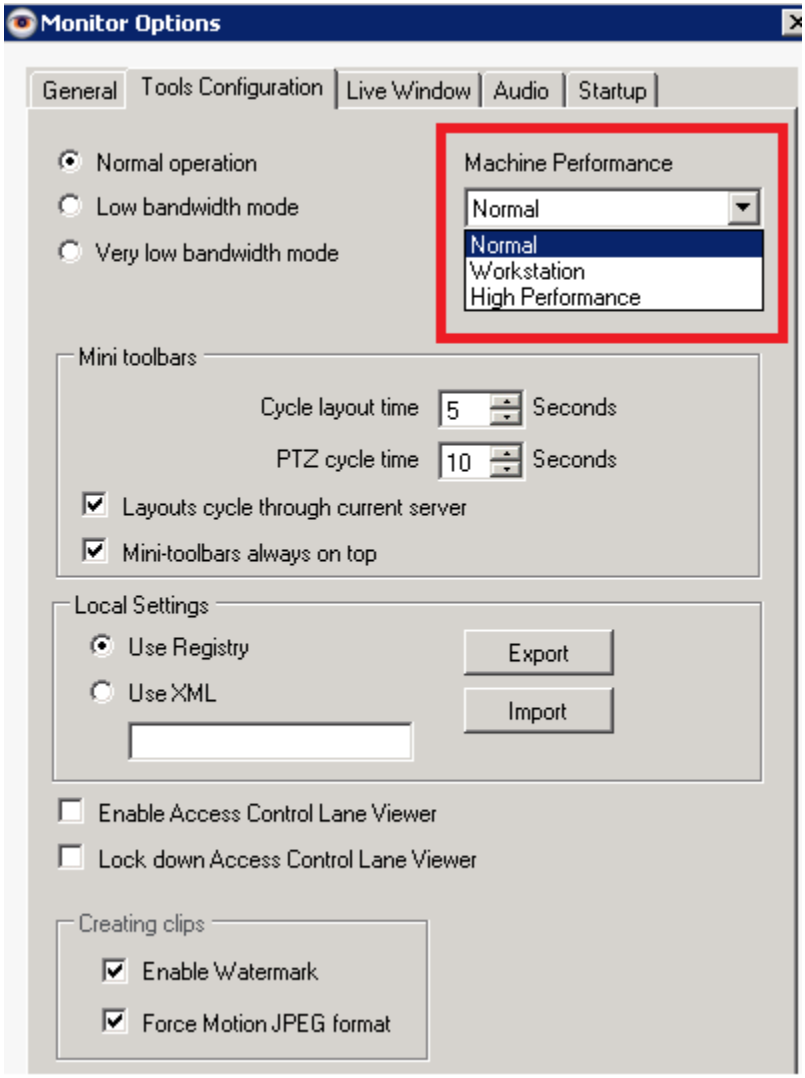
A full list can also be found on our web site: **http://www.video-insight.com/Support/Supported-Cameras.aspx**

B. Improved Monitor Station Performance

Live view streaming speed and quality is highly dependent on the network, hardware capability of the server, and the camera configurations at each customer's site. To offer improved performance in any environment an additional feature has been added to allow the customer to tweak settings as needed to reach a desired performance.

To access this feature do the following:

1. Navigate to Tools > Option
2. Click the Tools Configuration tab
3. Notice the Machine Performance dropdown and its available values: Normal, Workstation, and High Performance as seen below.



- **Normal:** When selecting this option expect the Monitor Station to use the current capabilities of your client machine's CPU.

- **Workstation:** When selecting this option expect the Monitor Station to use approximately the same CPU than in the Normal mode when in 4 camera layout and a higher performance of live streaming. Once 9 camera layout you will see an increase in CPU since more cameras are visibly streaming and of course better live performance.

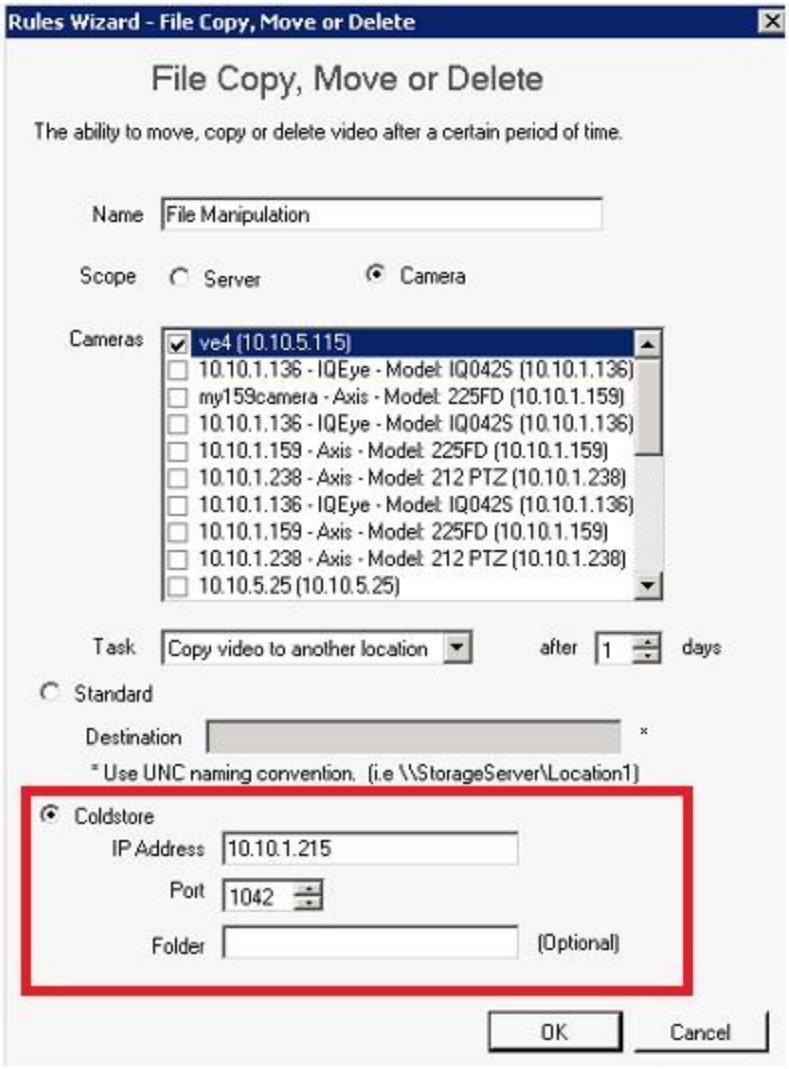
- **High Performance:** When selecting this option expect the Monitor Station to use the most CPU to deliver the smoothest live view (16 camera layout and higher); a powerful machine with a strong processor is recommended for this option.

C. Cold Storage of Videos Using COLDSTORE

COLDSTORE is a Network Attached Storage system (NAS) designed specifically for modern video surveillance systems which need very high capacity for mega-pixel IP cameras and/or long archive periods. Keeping with cutting edge technology we implemented the ability to copy, move and view videos directly from the COLDSTORE storage.

To setup this feature:

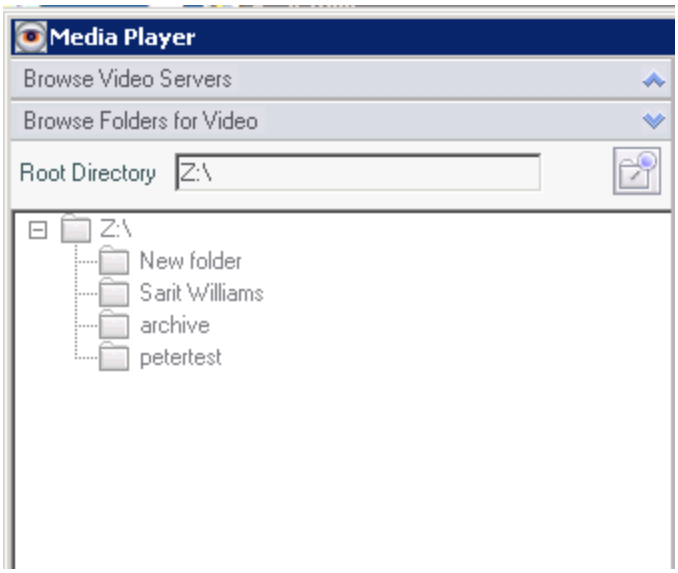
1. Browse to Administration> Set up and Configuration
2. Click Rules Manager on the left hand side
3. Click Add
4. Enter a name for the Rule in the Rule Name text box
5. Press Next
6. Press Next
7. Select the File Manipulation Rule from the Available Actions grid
8. The following pop-up will appear:



9. Enter a name for this File manipulation rule or leave the default
10. Select whether the action should affect all cameras by selecting the Server radio button or opt for individual cameras.
11. Select the Copy option and the desired number of days. If 1 (the default) remains the Action will copy ALL recorded files older than today.
12. Enter the IP address of the COLDSTORE location
13. The port number will default to 1042, if needed change it there.
14. The Folder textbox is optional, if left blank an "archive" folder will be created on COLSTORE and all recordings will be moved there.

You may also access files directly from COLDSTORE by doing the following:

1. Access Tools>Media Player

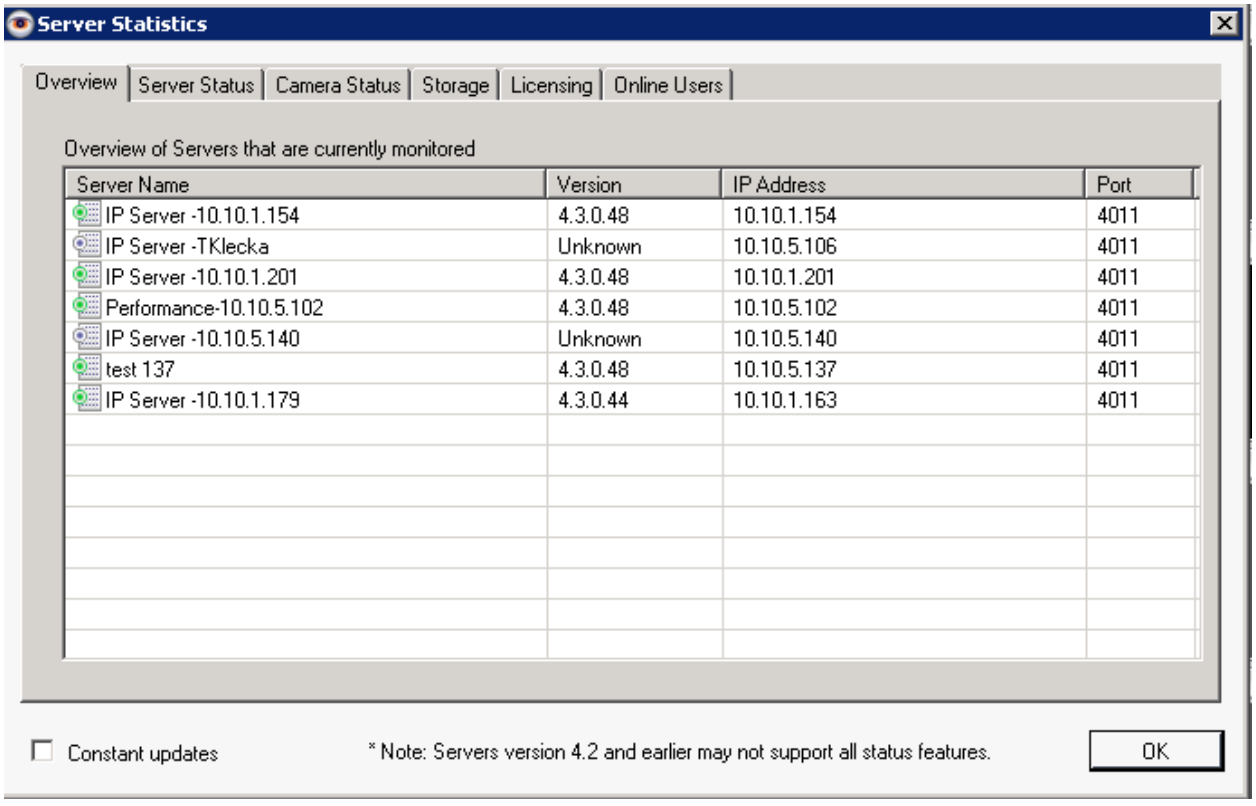


2. Expand the Browse Folders for Video
3. Click the Folder icon “Change Root Directory”
4. Browse to your Mapped COLDSTORE location. This step assumes COLDSTORE has already been mapped to a drive letter, in this example Z.
5. Expand any of your folders and browse to a video of your choice.

...the Server Statistics Feature and its many benefits…

Would you like the ability to quickly glance at one area and be able to assess the health of your video servers? CPU usage? What version is installed? Storage status? All of those answers and so much more is two clicks away.

1. Access Administration>Server Statistics, the following pop-up will appear:



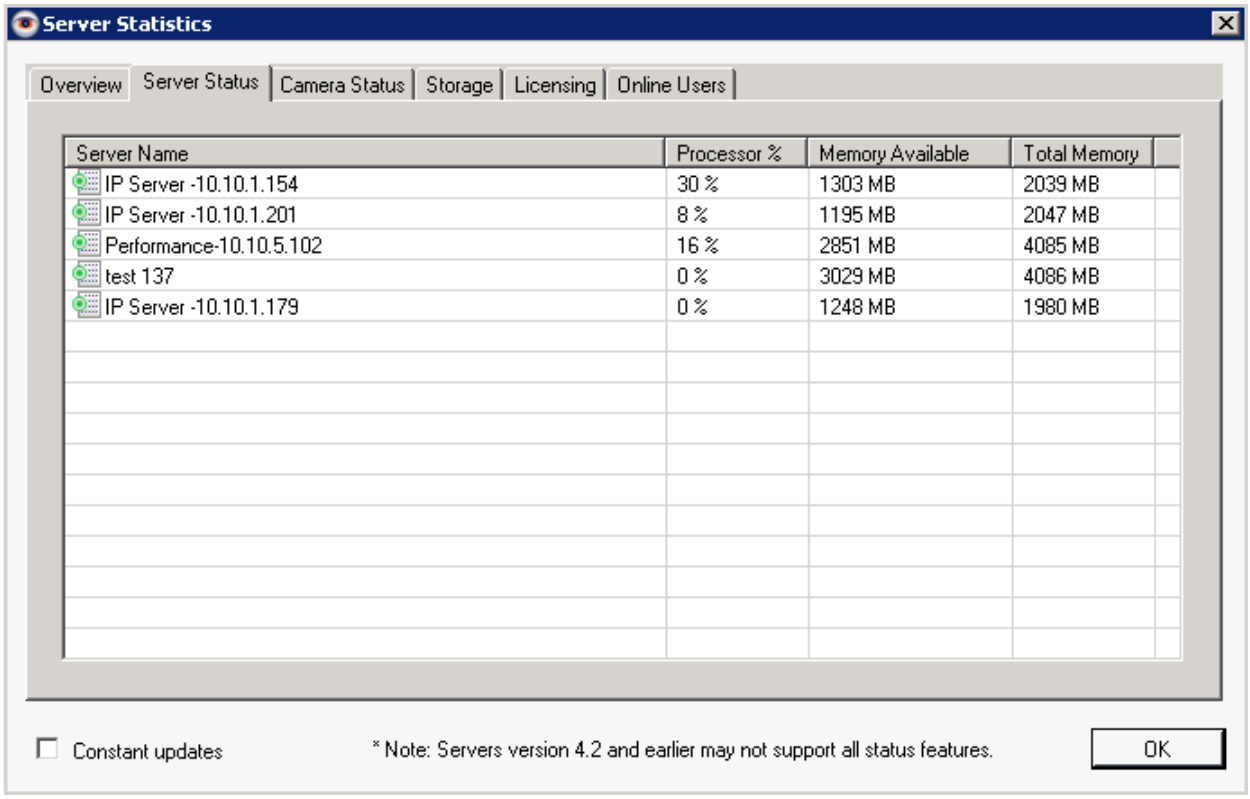
The tabs shown above are detailed on the next page.

A. Server Statistics: Overview Tab

The over view tab will display All servers that are currently added to this Monitor Station. It will list the Server Name, Version of software installed on that server, the IP address and the port used for that service. If a particular server is offline, or security is on and incorrect credentials have been used it will show the server name, but the version will appear as Unknown.

B. Server Statistics: Server Status Tab

The Server Status tab will list all servers and their current CPU usage in percentage, Memory Available to the IP service and Total Memory available on the machine. To refresh the values check the Constant Updates checkbox at the bottom to get the latest updates on 4.3 servers and higher.

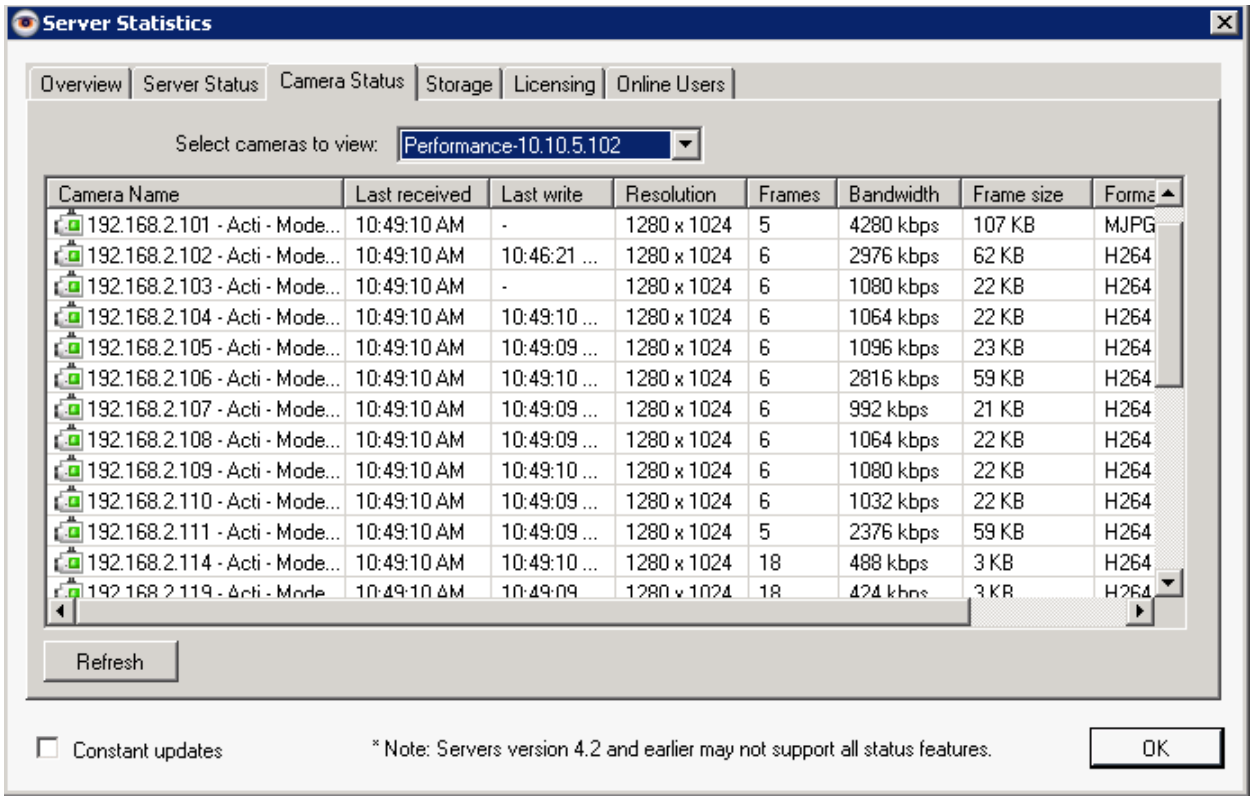


C. Server Statistics: Camera Status Tab

The Camera Status tab will list the Camera name, the Last received communication from it to the server, the resolution being used, the number of Frames Per Second, The Bandwidth used by it currently, Frame size and the format configuration for the camera.

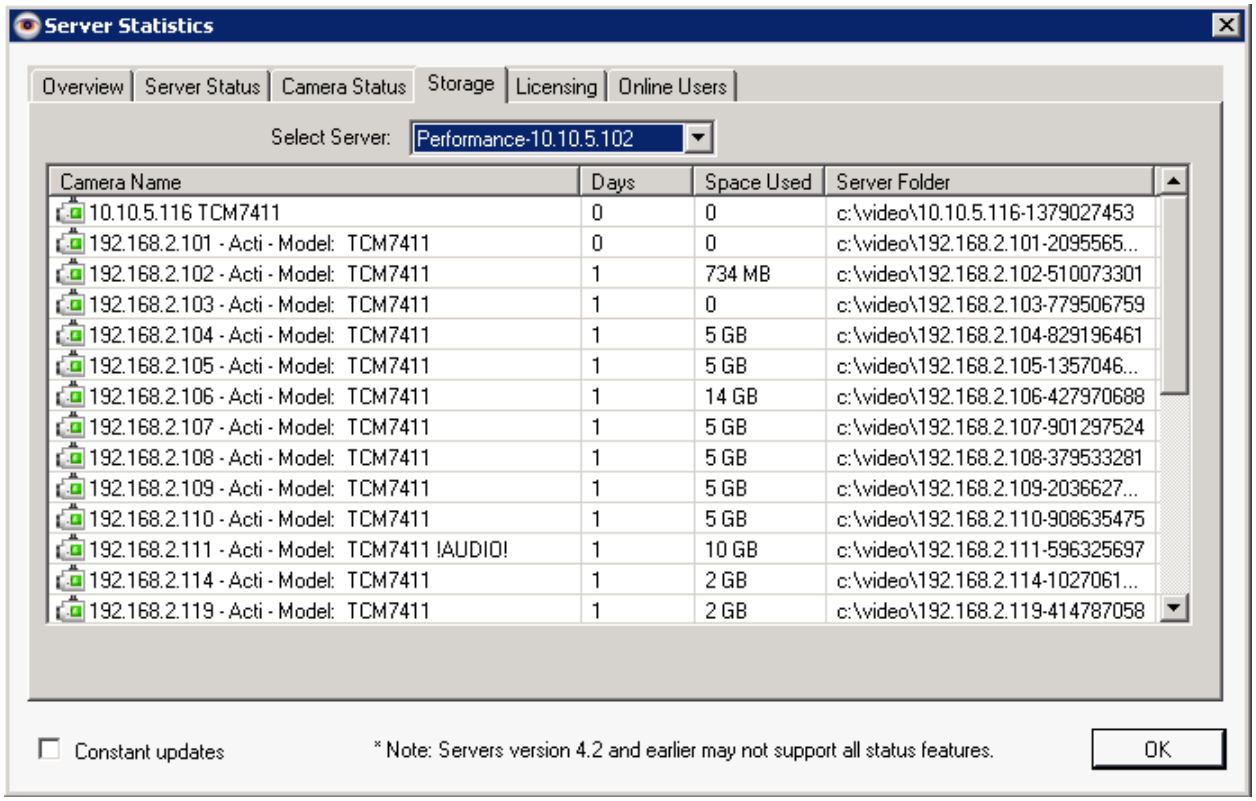
There are instances when the Format will appear as Unknown if no connection to the camera has been made recently.

You may also filter the Camera list by filtering it by Server from the dropdown. Sample screen below:


Server Statistics
Overview
Server Status
Camera Status
Storage
Licensing
Online Users
Select cameras to view:
Performance-10.10.5.102
Camera Name
Last received
Last write
Resolution
Frames
Bandwidth
Frame size
Forma
192.168.2.101 - Acti - Mode... 10:49:10 AM - 1280 x 1024 5 4280 kbps 107 KB MJPG
192.168.2.102 - Acti - Mode... 10:49:10 AM 10:46:21 ... 1280 x 1024 6 2976 kbps 62 KB H264
192.168.2.103 - Acti - Mode... 10:49:10 AM - 1280 x 1024 6 1080 kbps 22 KB H264
192.168.2.104 - Acti - Mode... 10:49:10 AM 10:49:10 ... 1280 x 1024 6 1064 kbps 22 KB H264
192.168.2.105 - Acti - Mode... 10:49:10 AM 10:49:09 ... 1280 x 1024 6 1096 kbps 23 KB H264
192.168.2.106 - Acti - Mode... 10:49:10 AM 10:49:10 ... 1280 x 1024 6 2816 kbps 59 KB H264
192.168.2.107 - Acti - Mode... 10:49:10 AM 10:49:09 ... 1280 x 1024 6 992 kbps 21 KB H264
192.168.2.108 - Acti - Mode... 10:49:10 AM 10:49:09 ... 1280 x 1024 6 1064 kbps 22 KB H264
192.168.2.109 - Acti - Mode... 10:49:10 AM 10:49:10 ... 1280 x 1024 6 1080 kbps 22 KB H264
192.168.2.110 - Acti - Mode... 10:49:10 AM 10:49:09 ... 1280 x 1024 6 1032 kbps 22 KB H264
192.168.2.111 - Acti - Mode... 10:49:10 AM 10:49:09 ... 1280 x 1024 5 2376 kbps 59 KB H264
192.168.2.114 - Acti - Mode... 10:49:10 AM 10:49:10 ... 1280 x 1024 18 488 kbps 3 KB H264
Refresh
Constant updates
* Note: Servers version 4.2 and earlier may not support all status features.
OK

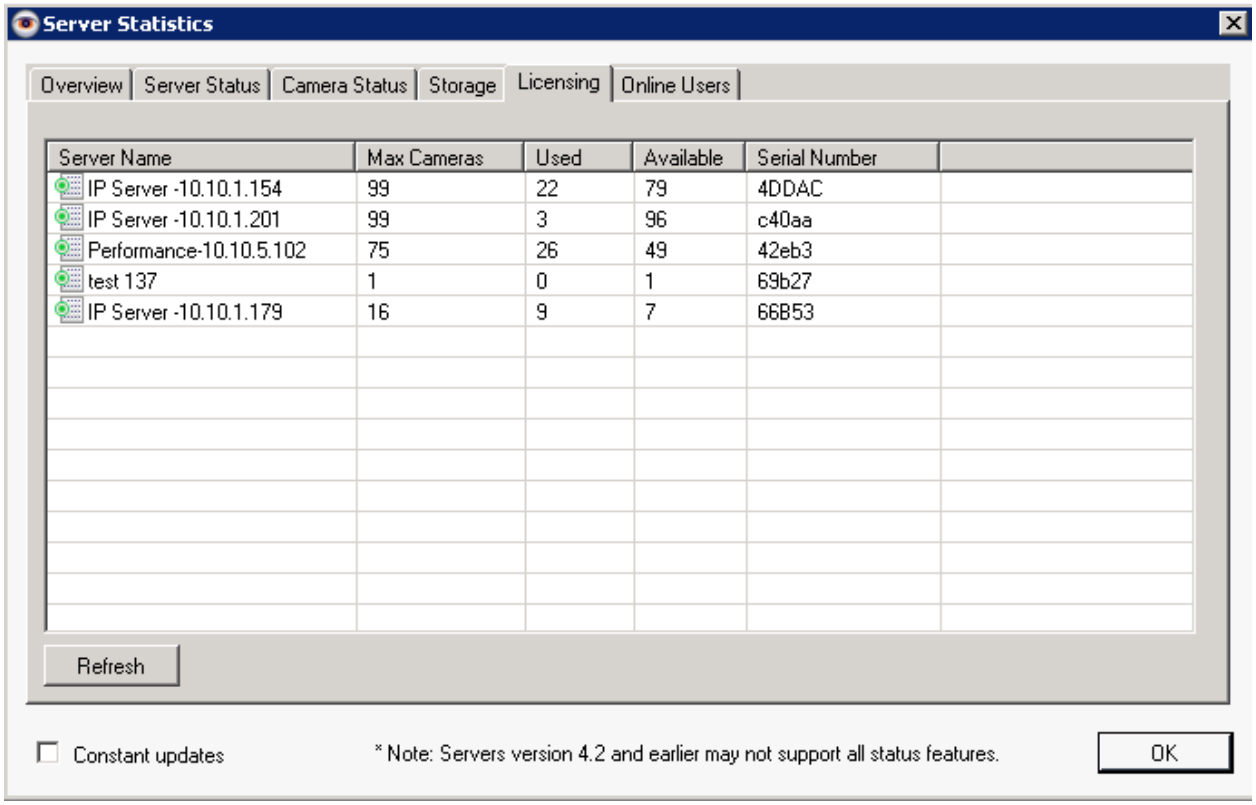
D. Server Statistics: Storage Tab

The Storage tab will list all cameras and their corresponding storage usage for a listed number of days. The first server in the list will be selected, use the dropdown to select another.



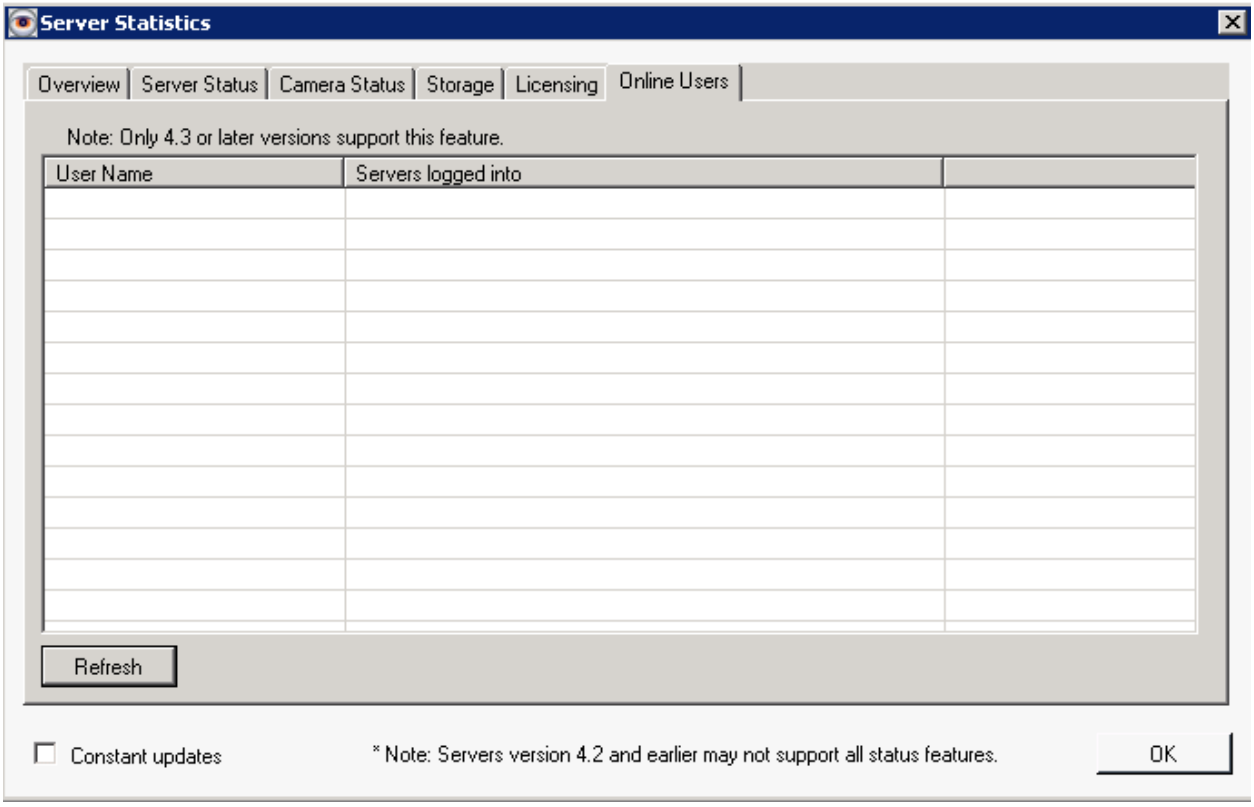
E. Server Statistics: Licensing Tab

The Licensing tab is a great way to manage all servers, and cameras and easily view whether a license needs to be upgraded or not.



F. Server Statistics: Online Users Tab

The Online Users tab allows administrators to view all users connected to that server in real time. At the moment this feature will capture only users logged in using the Monitor Station; and security must be enabled.



Is there a Feature you'd like to see implemented? Email us here:
http://www.questionpro.com/akira/TakeSurvey?id=1028953

Recommend an area or a feature for the Did You Know? Section to be covered in an upcoming issue:
swilliams@video-insight.com